Notice of Allowability	Application No.	Applicant(s)	
	09/462,761	MAKIPAA, RISTO	
	Examiner	Art Unit	
	Hong Cho	2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *the RCE filed on 4/26/2007*.

2. ☒ The allowed claim(s) is/are *26-48 (renumbered 1-23)*.

3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☒ All b) ☐ Some* c) ☐ None of the:
      1. ☒ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☒ Other _____.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with A. Blair Hughes on 6/26/2007.

The application has been amended as shown in the Attachment A.

Reasons for Allowance

2. Claims 26-48 are allowed.

3. The following is an examiner's statement of reasons for allowance:

Claims 26, 35, 39, 40, 43 and 44 are allowable over the prior art of record since the cited reference taken individually or in combination fails to particularly disclose forming selection data for the selection of the service data on the basis of the identification and control data located in the service multiplex and transmitting the selection data and actual service data separately.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hong Cho whose telephone number is 571-272-3087. The examiner can normally be reached on Mon-Fri during 7 am to 4 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wing Chan can be reached on 571-272-7493. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

WING CHAN 7/6/07
SUPERVISORY PATENT EXAMINER

hc
Hong Cho
Patent Examiner
7/2/07

Attachment A

Claims 1-25 (cancelled)

26. (Previously presented) A method for providing a customer with service information via a terminal connected to a telecommunication network, the method comprising:

multiplexing a plurality of service data in a frame format to form a service multiplex for service transmission, whereby identification and control data of the service data are located in at least one part of the multiplexed frames to be transmitted with the respective service data;

forming selection data for the selection of the service data on the basis of the identification and control data located in the service multiplex;

transmitting the selection data separately, without the actual service data of the service multiplex, to the customer terminal for displaying the selection data; and

in response to the user selecting a service displayed on a display unit, identifying the selected service on the basis of said identification and control data associated with the selected service and transmitted in multiplexed frames, and providing the customer with the identified service from the service multiplex.

27. (Previously presented) A method as claimed in claim 26, further comprising transmitting the selection data to the customer terminal via a different network than the service multiplex is transmitted.

28. (Previously presented) A method as claimed in claim 26 , further comprising creating a service directory from said identification and control data, which service directory comprises the selection data and by which the services are presented on a display unit.

29. (Previously presented) A method as claimed in claim 28, further comprising compiling a separate service directory on the basis of said identification and control data; and transmitting said service directory to the display unit in response to said display unit connecting to a telecommunication network.

30. (Previously presented) A method as claimed in claim 28, further comprising compiling said service directory from the identification and control data of several multiplexed frames comprising a plurality of services.

31. (Previously presented) A method as claimed in claim 29, further comprising compiling said service directory from the identification and control data of several multiplexed frames comprising a plurality of services.

32. (Currently amended) A method as claimed in claim 28 or 29 or 30 or 31, further comprising updating said service directory continuously to servers operating in the telecommunication network in accordance with the predetermined multiplexed services; and transmitting said service directory to the display unit in response to said display unit establishing a ~~connecting~~ connection to said telecommunication network:

33. (Previously presented) A method as claimed in claim 26, further comprising in response to the user selecting a service displayed on the display unit, determining the telecommunication network, which is the most suitable for delivering the service; and delivering the service selected by the user from the transmitting address to the receiver via said determined telecommunication network.

34. (Previously presented) A method as claimed in claim 26, further comprising routing the selected service from the transmitting address to the receiver automatically on the basis of said identification and control data of the multiplexed frame.

35. (Currently amended) A method of using a terminal of a telecommunication network, which is arranged to receive selection data regarding a plurality of service data of a service provider comprising the steps of: ~~for~~

selecting a service to be transmitted to said terminal in a multiplexed form;

displaying the selection data of the service, which selection data is formed from the identification and control data located in the multiplexed service data frames to be transmitted with the respective service data, and which selection data has been transmitted separately, without the actual service data of the service multiplex; and

identifying, in response to the user selecting a service displayed on a display unit, ~~to identify~~ the selected service on the basis of said identification and control data associated with the selected service and transmitted in multiplexed frames, and ~~to provide~~ providing the customer with the ~~identification~~ identified service from the service multiplex.

36. (Currently amended) ~~A terminal~~ The method as claimed in claim 35, wherein the terminal is arranged to receive the selection data via a different network than the service multiplex is transmitted.

37. (Currently amended) ~~A terminal~~ The method as claimed in claim 35, wherein for forming the selection data of the service, the terminal is arranged to receive the service directory comprising the selection data and formed from the identification and control data.

38. (Currently amended) ~~A terminal~~ The method as claimed in claim 35, wherein the terminal is a television or a computer.

39. (Previously presented) A system for providing a customer with service via a terminal connected to a telecommunication network, comprising

a multiplexer multiplexing a plurality of service data in a frame format to form a service multiplex for service transmission, whereby identification and control data of the

service data are located in at least one part of the multiplexed frames to be transmitted at the same time with the respective service data;

a data generator automatically generating a combined service selection data for enabling a selection of said plurality of services available in the multiplex, said combined service selection data being automatically derived from the identification and control data of the service multiplex; and

transmitter transmitting the combined service selection data, independently from the transmission of the corresponding service data and the associated identification and control data in the multiplexed frames, to a customer terminal to be displayed in form of a combined service section list of said plurality of services available in the multiplex, whereby the customer terminal, in response to the user selecting a service on said combined service selection list, automatically identifies and provides to the customer the selected services using service data from those subsequently received multiplexed frames which contain identification and control data matching to the service selection data associated with the selected service.

40. (Currently amended) A method for providing a customer with service via a terminal connected to a telecommunication network, the method comprising

multiplexing a plurality of service data in a frame format to form a service multiplex for service transmission, whereby identification and control data of the service data are located in at least one part of the multiplexed frames to be transmitted at the same time with the respective service data;

automatically generating a combined service selection data file for enabling a ~~the~~ selection of the plurality of services available in the multiplex, said combined service selection date file being automatically derived from ~~data from the basis of~~ the identification and control data ~~located in~~ of the service multiplex; and

transmitting the combined service selection data file ~~separately~~, independently from the transmission of the corresponding service data and the associated identification and control data in the multiplexed frames ~~actual service data of the service multiplex and the associated identification and control data in the multiplexed frames~~, to a customer terminal ~~for displaying the service selection data~~ to be displayed in the form of a combined service selection list of said plurality of services available in the multiplex, whereby the customer terminal, in response to the user selecting a service on said combined service selection list, automatically identifies and provides to the customer the selected service using service data from those

subsequently received multiplex frames which contain identification and control data matching the service selection data associated with the selected service;

~~transmitting the service data and the identification and control data of the service data in multiplexed frames to the customer terminal; and~~

~~in response to the user selecting a service displayed on a display unit, providing the customer with the selected service from those subsequently received multiplexed frames identified by identification and control data corresponding to the service selection data of the selected service~~.

41. (Previously presented) A method according to claim 26, further comprising forming automatically the selection data for selection of the service on the basis of the identification and control data located in the service multiplex.

42. (Previously presented) A method according to claim 26, further comprising presenting the services on the display unit in a form of a icon.

43. (Currently amended) A method for providing a customer with service via a terminal connected to a network, the method comprising

multiplexing a plurality of service data in a frame format to form a service multiplex for service transmission, whereby identification and control data of the service data are located in at least one part of the multiplexed frames to be transmitted at the same time with the respective service data over a broadcast network to said terminal;

generating a service selection data file for the selection of the service data from the basis of the identification and control data located in the service multiplex;

transmitting the service selection data file separately through a data network, independently from transmission of the actual service data of the service multiplex and the associated identification and control data in the multiplexed frames in said broadcast network, to the customer terminal for displaying the service selection data file;

transmitting the service data and the identification and control data of the service data in multiplexed frames to the customer terminal over said broadcast network; and

in response to the user selecting a service displayed on a display unit, providing the customer with the selected service from those multiplexed frames subsequently received over said broadcast network and containing identification and control data matching to the selected

service's services selection data file obtained through said data network.

44. (New) A method for providing a customer with service via a terminal connected to a telecommunication network, the method comprising:

multiplexing a plurality of service data in a frame format to form a service multiplex for service transmission, whereby indentification and control data of the service data are located in at least one part of the multiplexed frames to be transmitted with the respective service data;

forming selection data file for the selection of the service data on the basis of the identification and control data located in the service multiplex; and

transmitting the selection data file separately, without the actual service data of the service multiplex, to the customer terminal for displaying the selection data file.

~~44~~45. (New) A method according to claim 26, wherein said selection data comprises a selection data file.

~~45~~46. (New) A terminal according to claim 35, wherein said selection data comprises a selection data file.

~~46~~47. (New) A system according to claim 39, wherein said selection data comprises a selection data file.

~~47~~48. (New) A method according to claim 43, wherein said service selection data file is transmitted via a server in said data network.